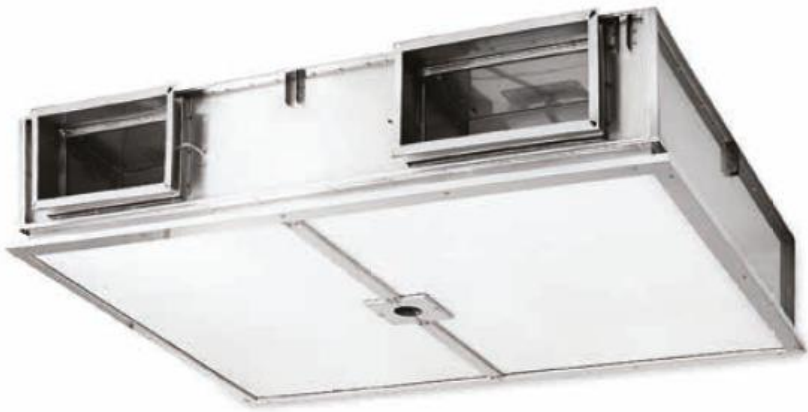
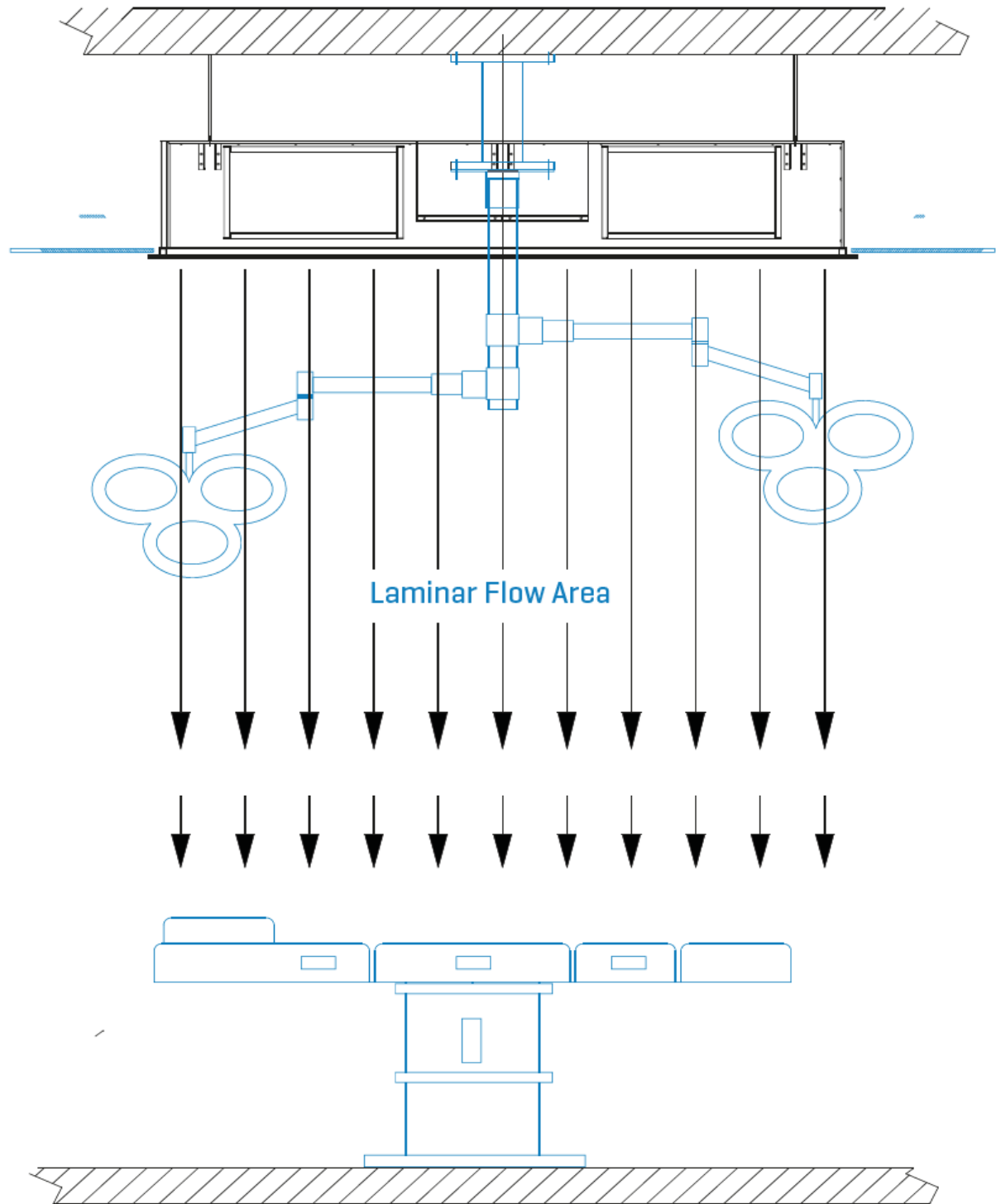


## Laminar Flow

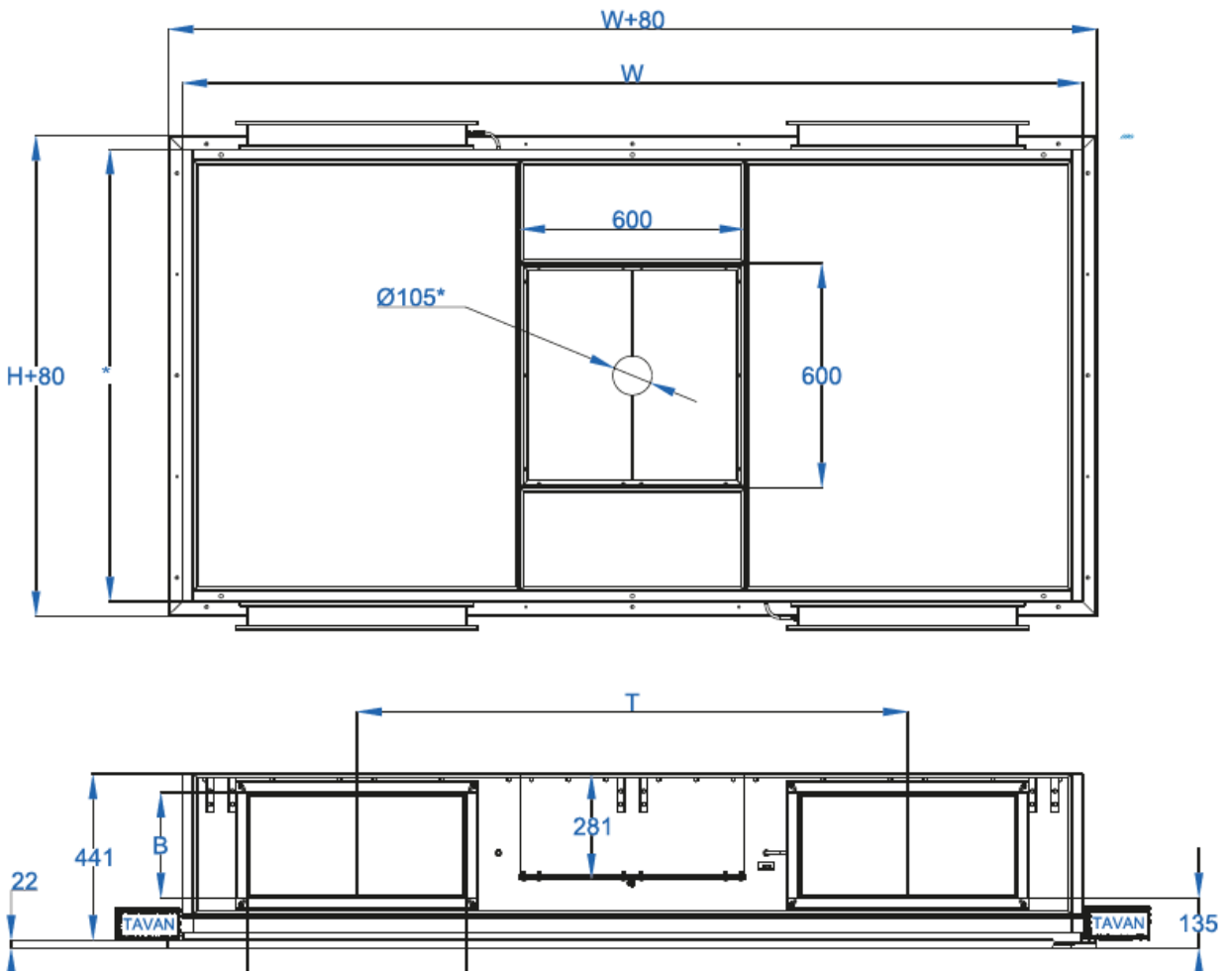
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GLC -  
Laminar Flow  
Ceiling Systems



GLC Laminar Flow Ceiling Systems are used in operating rooms requiring constant and laminar air flow and industrial organizations making production in compliance with clean room standards. Human body may be affected negatively by constant air flow at a rate higher than 0,18-0,40 m/s. There is no doubt that inpatients are disturbed by higher rates. However medical operating team needs to work comfortably. Long-term practice in the operations taking hours requires only one-way and low-rate air flow. Such air flow is called as laminar flow.



## Technical Features

- Laminar Flow Ceiling System to be mounted at the ceiling of operating room is intended to provide convenience in disinfection, erection, maintenance and service.
- Manufacturing Firm shall certify that it has established and implemented a quality system and fulfilled the requirements of it pursuant to DIN EN ISO 9001:2008.
- Diffuser box shall be made of Class V2A stainless steel in accordance with DIN 1.4301 and have a testing channel for testing tightness. A Test report in accordance with DIN 1946/4 and a warranty certificate issued by manufacturer should be available.
- Specific diffuser elements made of micro networks shall be available, which ensure air distribution in air blowing, may be disinfected by wiping and are non-degradable and fire resistant.
- Front surfaces of laminar flow ceiling systems shall be easily removable to replace HEPA filters in the room and to ensure the disinfection of body.
- Differential pressure manometer connection ends shall be available to observe the operating conditions of HEPA filters.
- Laminar Flow Ceiling System shall have a pendant light connection detail for operating room.
- Nozzles to apply test aerosol in accordance with the standards of EN 1882 shall be available.
- Class H13 filters to be used shall achieved at least 99.95% productivity in accordance with the standards of EN 1822. A test report shall be available pursuant to EN 1822 standards. Filters shall be certified by Eurovent. Class H14 filter may be produced upon the request of customer. Productivity in such kind of filters shall be 99,995 %
- Laminar Flow Ceiling System and filters shall be erected in accordance with the related standards. Tightness test and particle count test for filters following erection shall be performed by third parties.

## Device Coding



DOP Testing End



Filter Deposits Differential Pressure End